IFW

Application No.	:	**10/604,876**
Confirmation No.	:	**1875**
Applicant	:	**West, Rick**
Filing Date	:	**August 22, 2003**
TC/A.U.	:	**2836**
Examiner	:	**Cavallari, Daniel J.**
Customer No.	:	**35619**
Amendment Date	:	**January 23, 2006**

AMENDMENT

Please accept this amendment in response to the USPTO Office Action mailed 11/03/2005. I am sending a facsimile copy as well as a hard copy via US Mail.

Amendments to Specification

None. No new matter has been added to the specification.

Amendments to Drawings

None. No new matter has been added to the drawings.

Amendments to the Claims

Claims 1 through 24 have been canceled. Claim 25 is new. All previous claims have been cancelled and one new claim has been written to overcome the examiner's objections regarding novelty.

Remarks/Arguments

With respect to most of the references cited, the applicant asserts that the ability of any prior art power converter to process power in two directions, into or out of a given pair of terminals or "port", is unimportant and is not, in and of itself, any claim of this application.

Most of the prior art patents cited do not have transformer isolation between ports and/or synchronized high frequency switching elements. The applicant asserts that without both of these attributes, there is very little or no relevance to the applicant's invention.

The most relevant reference sited, Suzuki #5,856,712, is for a UPS power converter where power is supplied to a load from an AC line (a low impedance AC source) to a load or from a battery (a low impedance DC source) to a load. Although the AC line can also charge the battery (the only bi-directional component of this converter), the battery and the AC line cannot simultaneously supply the load. The new claim is structured to specifically differentiate the applicant's invention from Suzuki et al.

The applicant's invention enables any number of transformer-isolated ports to source power into or sink power out of a dedicated battery port simultaneously and with functional autonomy with respect to all other non-battery ports. None of the inventions sited have the ability to function in this manner.